

FIG.2

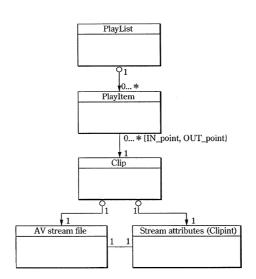


FIG.3

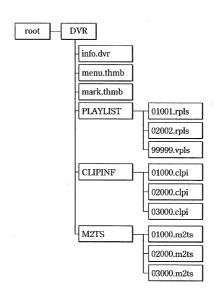


FIG.4

SYNTAX	NUMBER OF BYTES	ABBREVIATION
info.dvr {		
TableOfPlayLists_Start_address	32	uimsbf
MakerPrivateData_Start_address	32	uimsbf
reserved	192	bslbf
DVRVolume()		
for (i=0;i <n1;i++){< td=""><td></td><td></td></n1;i++){<>		
padding_word	16	bslbf
}		
TableOfPlayLists()		
for (i=0;i <n2;i++) td="" {<=""><td></td><td></td></n2;i++)>		
padding_word	16	bslbf
}		
MakerPrivateData()		
}		

FIG.5

SYNTAX	NUMBER OF BYTES	ABBREVIATION
DVRVolume(){		
version_number	8*4	bslbf
length	32	uimsbf
ResumeVolume()		
UIAppInfoVolume()		
}		

FIG.6

SYNTAX	NUMBER OF BYTES	ABBREVIATION
UIAppInfoVolume(){		
character_set	8	bslbf
name_length	8	uimsbf
Volume_name	8*256	bslbf
reserved	15	bslbf
Volume_protect_flag	1	bslbf
PIN	8*4	bslbf
ref_thumbnail_index	16	uimsbf
reserved	7	bslbf
rp_info_valid_flag	1	uimsbf
rp_ref_to_PlayList_file_name	8*10	bslbf
rp_ref_to_PlayItem_id	16	uimsbf
rp_time_stamp	32	uimsbf
}		

FIG.7

SYNTAX	NUMBER OF BYTES	ABBREVIATION
TableOfPlayLists() {		
version_number	8*4	bslbf
length	32	uimsbf
number_of_PlayLists	16	uimsbf
for (i=0; i <number_of_playlists; i++){<="" td=""><td></td><td></td></number_of_playlists;>		
PlayList_file_name	8*10	bslbf
UIAppInfoPlayList2()		
}		
}		

FIG.8

SYNTAX	NUMBER OF BYTES	ABBREVIATION
UIAppInfoPlayList2(){		
character_set	8	bslbf
name_length	8	uimsbf
PlayList_name	8*256	bslbf
reserved	8	bslbf
record_time_and_date	4*14	bslbf
reserved	8	bslbf
duration	4*6	bslbf
valid_period	4*8	bslbf
maker_id	16	bslbf
maker_code	16	bslbf
reserved	11	bslbf
playback_control_flag	1	bslbf
write_protect_flag	1	bslbf
is_played_flag	1	bslbf
archive	2	bslbf
ref_thumbnail_index	16	uimsbf
reserved	7	bslbf
rp_info_valid_flag	1	uimsbf
rp_ref_to_PlayItem_id	16	uimsbf
rp_time_stamp	32	uimsbf
reserved_for_future_use	240	bslbf
}		

FIG.9

SYNTAX	NUMBER OF BYTES	ABBREVIATION
zzzzz.clpi {		
STC_Info_Start_address	32	uimsbf
ProgramInfo_Start_address	32	uimsbf
CPI_Start_address	32	uimsbf
ClipMark_Start_address	32	uimsbf
MakerPrivateData_Start_address	32	uimsbf
reserved	96	bslbf
ClipInfo()		
for (i=0;i <n1;i++){< td=""><td></td><td></td></n1;i++){<>		
padding_word	16	bslbf
}		3
STC_Info()		
for (i=0;i <n2;i++){< td=""><td></td><td></td></n2;i++){<>		
padding_word	16	bslbf
}		
ProgramInfo()		
for (i=0;i <n3;i++){< td=""><td></td><td></td></n3;i++){<>		
padding_word	16	bslbf
}		
CPI()		
for (i=0;i <n4;i++){< td=""><td></td><td></td></n4;i++){<>		
padding_word	16	bslbf
}		
ClipMark()		
for (i=0;i <n5;i++){< td=""><td></td><td></td></n5;i++){<>		
padding_word	16	bslbf
}		
MakerPrivateData()		
}		

FIG.10

SYNTAX	NUMBER OF BYTES	ABBREVIATION
ClipMark(){		
version_number	8*4	bslbf
length	32	uimsbf
number_of_Clip_marks	16	uimsbf
for (i=0; i <number_of_clip_marks; i++){<="" td=""><td></td><td></td></number_of_clip_marks;>		
reserved	8	bslbf
mark_type	8	bslbf
mark_time_stamp	32	uimsbf
STC_sequence_id	8	uimsbf
reserved	24	bslbf
character_set	8	bslbf
name_length	8	uimsbf
mark_name	8*256	bslbf
ref_thumbnail_index	16	uimsbf
}		
}		

FIG.11



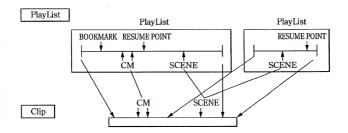


FIG.12

SYNTAX	NUMBER OF BYTES	ABBREVIATION
xxxxx.rpls / yyyyy.vpls {		
PlayListMark_Start_address	32	uimsbf
MakerPrivateData_Start_address	32	uimsbf
reserved	192	bslbf
PlayList()		
for (i=0;i <n1;i++){< td=""><td></td><td></td></n1;i++){<>		
padding_word	16	bslbf
)		
PlayListMark()		
for (i=0;i <n2;i++) td="" {<=""><td></td><td></td></n2;i++)>		
padding_word	16	bslbf
}		
MakerPrivateData()		
}		

FIG.13

SYNTAX	NUMBER OF BYTES	ABBREVIATION
PlayList(){		
version_number	8*4	bslbf
length	32	uimsbf
PlayList_type	8	uimsbf
CPI_type	1	bslbf
reserved	7	bslbf
UIAppInfoPlayList()		
number_of_PlayItems // main path	16	uimsbf
if (<vertual playlist="">) {</vertual>		
number_of_SubPlayItems // sub path	16	uimsbf
}else{		
reserved	16	bslbf
}		
for (PlayItem_id=0;		
PlayItem_id <nymber_of_playitems;< td=""><td></td><td></td></nymber_of_playitems;<>		
$PlayItem_id++)\{$		
PlayItem() //main path		
}		
if (<virtual playlist="">){</virtual>		
if (CPI_type==0 && PlayList_type==0){		
for (i=0; i <number_of_subplayitems; i++)<="" td=""><td></td><td></td></number_of_subplayitems;>		
SubPlayItem() //sub path		
}		
}		

FIG.14

SYNTAX	NUMBER OF BYTES	ABBREVIATION
PlayItem(){		
Clip_information_file_name	8*10	bslbf
reserved	24	bslbf
STC_sequence_id	8	uimsbf
IN_time	32	uimsbf
OUT_time	32	uimsbf
reserved	14	bslbf
connection_condition	2	bslbf
if (<virtual playlist="">){</virtual>		-
if (connection_condition=='10'){		
BridgeSequenceInfo()		
}		
}		
}		

FIG.15

SYNTAX	NUMBER OF BYTES	ABBREVIATION
PlayListMark(){		
version_number	8*4	bslbf
length	32	uimsbf
number_of_PlayList_marks	16	uimsbf
for (i=0;i <number_of_playlist_marks;i++){< td=""><td></td><td></td></number_of_playlist_marks;i++){<>		
reserved	8	bslbf
mark_type	8	bslbf
mark_time_stamp	32	uimsbf
PlayItem_id	8	uimsbf
reserved	24	uimsbf
character_set	8	bslbf
name_length	8	uimsbf
mark_name	8*256	bslbf
ref_thumbnail_index	16	uimsbf
}		
}		

FIG.16

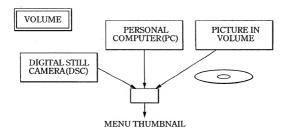


FIG.17

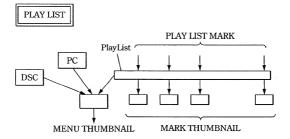


FIG.18

18/34

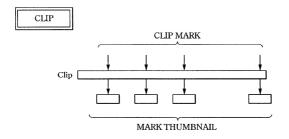


FIG.19

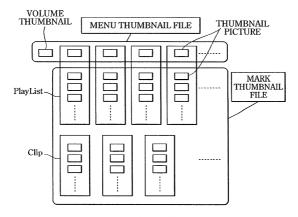


FIG.20

SYNTAX	NUMBER OF BYTES	ABBREVIATION
menu.thmb/mark.thmb {		_
reserved	256	bslbf
Thumbnail()		
for (i=0;i <n1;i++)< td=""><td></td><td></td></n1;i++)<>		
padding_word	16	bslbf
}		

FIG.21

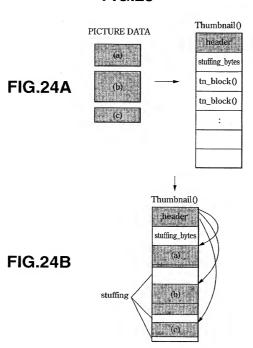
SYNTAX	NUMBER OF BYTES	ABBREVIATION
Thumbnail(){		
version_number	8*4	char
length	32	uimsbf
if (length !=0) {		
tn_blocks_start_address	32	bslbf
number_of_thumbnails	16	uimsbf
tn_block_size	16	uimsbf
number_of_tn_blocks	16	uimsbf
reserved	16	bslbf
for (i=0; i <number_of_thumbnails; i++){<="" td=""><td></td><td></td></number_of_thumbnails;>		
thumbnail_index	16	uimsbf
thumbnail_picture_format	8	bslbf
reserved	8	bslbf
picture_data_size	32	uimsbf
start_tn_block_number	16	uimsbf
x_picture_length	16	uimsbf
y_picture_length	16	uimsbf
reserved	16	uimsbf
stuffing_bytes	8*2*L1	bslbf
for(k=0; k <number_of_tn_blocks; k++){<="" td=""><td></td><td></td></number_of_tn_blocks;>		
tn_block	fixed	
}		
} =		
}		

FIG.22

21/34

Thumbnail_picture_format	MEANING
0x00	MPEG-2 Video l-picture
0x01	DCF (restricted JPEG)
0x02	PNG
0x03-0xff	reserved

FIG.23



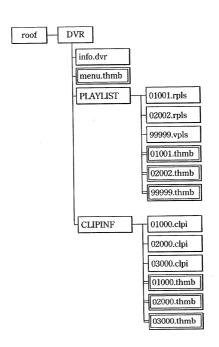


FIG.25

SYNTAX	NUMBER OF BYTES	ABBREVIATION
menu.thmb/xxxxx.thmb {		
reserved	256	bslbf
Thumbnail()		
for (i=0;i <n1;i++)< td=""><td></td><td></td></n1;i++)<>		
padding_word	16	bslbf
_}		

FIG.26

SYNTAX	NUMBER OF BYTES	ABBREVIATION
TableOfPlayLists(){		
version_number	8*4	bslbf
length	32	uimsbf
number_of_PlayLists	16	uimsbf
for (i=0; i <number_of_playlists; i++){<="" td=""><td></td><td></td></number_of_playlists;>		
PlayList_file_name	8*10	bslbf
}		
}		

FIG.27

SYNTAX	NUMBER OF BYTES	ABBREVIATION
PlayList(){		
version_number	8*4	bslbf
length	32	uimsbf
PlayList_type	8	uimsbf
CPI_type	1	bslbf
reserved	7	bslbf
UIAppInfoPlayList()		
number_of_PlayItems // main path	16	uimsbf
if (<vertual playlist="">){</vertual>		
number_of_SubPlayItems // sub path	16	uimsbf
}else{		
reserved	16	bslbf
}		
for (PlayItem_id=0;		
PlayItem_id <nymber_of_playitems;< td=""><td></td><td>ļ</td></nymber_of_playitems;<>		ļ
$PlayItem_id++)$ {		
PlayItem() //main path		
if (<virtual playlist="">){</virtual>		
if (CPI_type==0 && PlayList_type==0){		
for (i=0; i <number_of_subplayitems; i++)<="" td=""><td></td><td></td></number_of_subplayitems;>		
SubPlayItem() //sub path		
}		

FIG.28

SYNTAX	NUMBER OF BYTES	ABBREVIATION
UIAppInfoPlayList(){		
character_set	8	bslbf
name_length	8	uimsbf
PlayList_name	8*256	bslbf
reserved	8	bslbf
record_time_and_date	4*14	bslbf
reserved	8	bslbf
duration	4*6	bslbf
valid_period	4*8	bslbf
maker_id	16	uimsbf
maker_code	16	uimsbf
reserved	11	bslbf
playback_control_flag	1	bslbf
write_protect_flag	1	bslbf
is_played_flag	1	bslbf
archive	2	bslbf
ref_thumbnail_index	16	uimsbf
reserved_for_future_use	240	bslbf
}		

FIG.29

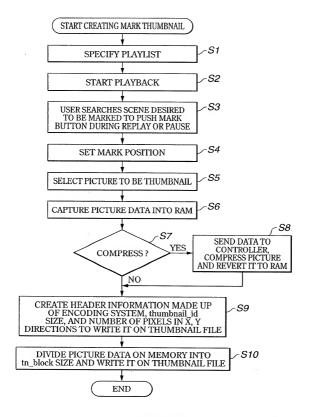


FIG.30

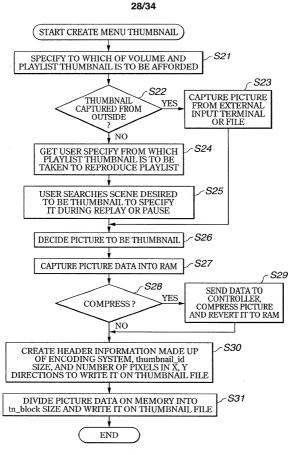


FIG.31

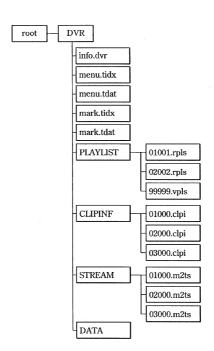


FIG.32

SYNTAX	NUMBER OF BYTES	ABBREVIATION
menu.tidx/mark.tidx(){		-
version_number	8*4	char
reserved_for_future_use	256	bslbf
length	32	uimsbf
if (length !=0) {		
number_of_thumbnails	16	uimsbf
tn_block_size	16	uimsbf
number_of_tn_blocks	16	uimsbf
for (i=0; i <number_of_thumbnails; i++){<="" td=""><td></td><td></td></number_of_thumbnails;>		
thumbnail_index	16	uimsbf
ref_to_tn_block_id	16	uimsbf
picture_byte_size	32	uimsbf
horizontal_picture_size	16	uimsbf
vertical_picture_size	16	uimsbf
display_aspect_ratio	4	uimsbf
color_space	4	uimsbf
reserved_for_word_align	8	bslbf
}		
}		
}		

FIG.33

display_aspect_ratio	MEANING
0, 1	reserved for future use
2	4:3 display aspect ratio
3	16:9 display aspect ratio
4-15	reserved for future use

FIG.34

display_aspect_ratio	MEANING
0	BT 709
1	ITU-R Rec.601
2-15	reserved for future use

FIG.35

SYNTAX	NUMBER OF BYTES	ABBREVIATION
menu.tdat/mark.tdat {		
for (tn_block_id=0; tn_block_id <number_of_tn_blocks; tn_block_id++){</number_of_tn_blocks; 		
tn_block	tn_block_ size*1024*8	

FIG.36

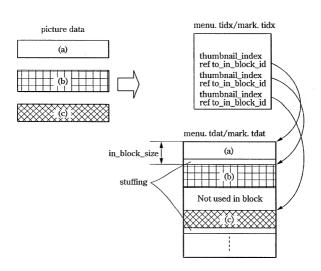


FIG.37



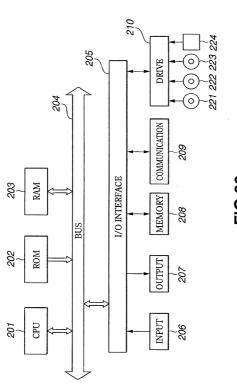


FIG.38